

APPENDIX G— Land-Use Change and Forestry

Data from State Inventory Tool

INPUT:

Table G-1

Liming of Agricultural Soils

Year	Total Limestone Applied to Soil (1000 Metric Tons)	Total Dolomite Applied to Soil (1000 Metric Tons)
1990	567.99	72.39
1991	567.99	72.39
1992	480.63	60.47
1993	480.63	60.47
1994	415.73	63.59
1995	485.30	89.18
1996	472.52	70.23
1997	532.64	104.59
1998	391.84	192.35
1999	382.69	83.07
2000	332.12	98.44

Table G-2

Landfilled Yard Trimmings

Year	Yard Trimmings Discarded (Short Wet Tons)	Discards Landfilled (Percent)
1990	1,050,631	96%
1991	521,536	80%
1992	474,892	72%
1993	641,431	74%
1994	596,223	69%
1995	531,933	69%
1996	455,366	56%
1997	271,103	61%
1998	380,337	61%
1999	234,866	61%
2000	191,381	60%

Table G-3 Emission Factors for

Liming of Agricultural Soils

Value	Units
0.12	metric ton C/metric ton limestone
0.13	metric ton C/metric ton dolomite

Table G-4 Emission Factor for Carbon

Storage in Landfilled Yard Trimmings

Value	Units
0.2082	MTCE/short wet ton of yard trimmings

Table G-5 Forest Carbon Flux (million metric tons carbon)

Accounting component	1987	1992	1997	Average Annual Change		
				1987-1992	1992-1997	1987-1997
Biomass	302.2	321.7	341.2	3.90	3.90	3.90
Forest floor and coarse woody debris	130.7	129.8	128.6	-0.19	-0.24	-0.21
Soils	794.4	799.1	803.7	0.93	0.92	0.93
Wood products and landfills	51.5	59.1	66.3	1.53	1.44	1.48

OUTPUT:

Table G-6 Emissions (MMTCO2E)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Liming of Agricultural Soils	0.28	0.28	0.24	0.24	0.21	0.26	0.24	0.28	0.26	0.21	0.19
Limestone	0.25	0.25	0.21	0.21	0.18	0.21	0.21	0.23	0.17	0.17	0.15
Dolomite	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.05	0.09	0.04	0.05
Landfilled Yard Trimmings	-0.77	-0.32	-0.26	-0.36	-0.31	-0.28	-0.19	-0.13	-0.18	-0.11	-0.09
Forest Carbon Flux	-22.64	-22.64	-22.64	-22.07	-22.07	-22.07	-22.07	-22.07	-22.07	-22.07	-22.07
Biomass	-14.30	-14.30	-14.30	-14.30	-14.30	-14.30	-14.30	-14.30	-14.30	-14.30	-14.30
Forest floor and coarse woody debris	0.69	0.69	0.69	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Soils	-3.41	-3.41	-3.41	-3.39	-3.39	-3.39	-3.39	-3.39	-3.39	-3.39	-3.39
Wood products and landfills	-5.62	-5.62	-5.62	-5.26	-5.26	-5.26	-5.26	-5.26	-5.26	-5.26	-5.26
Total	-23.13	-22.68	-22.66	-22.19	-22.17	-22.09	-22.02	-21.91	-21.98	-21.97	-21.96

Filename: GHG Inventory Report Appendix G.doc
Directory: C:\Data\PDFsforweb
Template: C:\Program Files\Microsoft Office\Templates\Normal.dot
Title: Appendix G: Land-Use Change and Forestry
Subject: Wisconsin Greenhouse Gas Emission Trends, 1990-2000
Author: Sara Kerr
Keywords: land use, forestry, emissions, GHG
Comments:
Creation Date: 02/10/04 4:00 PM
Change Number: 3
Last Saved On: 02/11/04 3:13 PM
Last Saved By: Wisconsin DNR
Total Editing Time: 3 Minutes
Last Printed On: 02/11/04 3:14 PM
As of Last Complete Printing
Number of Pages: 3
Number of Words: 9,160 (approx.)
Number of Characters: 52,216 (approx.)